

Title (en)
COMPOSITIONS COMPRISING AN ACRYLIC POLYMER AND PROCESSES OF PREPARING THE SAME

Title (de)
ZUSAMMENSETZUNGEN MIT EINEM ACRYLPOLYMER UND VERFAHREN ZU DEREN HERSTELLUNG

Title (fr)
COMPOSITIONS COMPRENANT UN POLYMÈRE ACRYLIQUE ET PROCÉDÉS DE PRÉPARATION ASSOCIÉS

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Application
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Abstract (en)
[origin: GB2568050A] A composite comprised of a mineral and a cross-linked polymer, characterized by a cross-linking density in the range of from 2x1020 to 2x1025 units/l, is disclosed. Process of preparing the composite is also disclosed. The polymer comprises at least one crosslinker and a polymeric backbone comprising a plurality of monomeric units. The mineral may be a ceramic such as alumina, quartz, zirconia, calcium carbonate, clay etc. The composite could be used for engineering stones, artificial marble etc. A similar composition can be made by mixing monomers, crosslinker, initiator and optionally a toughener, adding a mineral to the mixture, and curing at above 90 degrees C.

IPC 8 full level
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C04B 14/043 (2013.01 - IL KR); **C04B 14/06** (2013.01 - IL KR US); **C04B 14/10** (2013.01 - IL KR US); **C04B 14/22** (2013.01 - IL US); **C04B 14/28** (2013.01 - IL KR US); **C04B 14/30** (2013.01 - IL); **C04B 14/303** (2013.01 - IL KR); **C04B 14/304** (2013.01 - IL); **C04B 14/305** (2013.01 - IL KR); **C04B 14/306** (2013.01 - IL KR); **C04B 14/32** (2013.01 - IL); **C04B 14/323** (2013.01 - IL KR); **C04B 14/324** (2013.01 - IL KR); **C04B 14/326** (2013.01 - IL KR); **C04B 14/327** (2013.01 - IL KR); **C04B 14/328** (2013.01 - IL KR); **C04B 20/0076** (2013.01 - IL KR); **C04B 24/26** (2013.01 - GB IL); **C04B 26/04** (2013.01 - GB IL); **C04B 26/06** (2013.01 - EP IL KR US); **C08F 2/44** (2013.01 - EP GB IL KR); **C08F 220/14** (2013.01 - IL KR US); **C08F 220/1804** (2020.02 - IL KR); **C08F 220/1808** (2020.02 - IL KR US); **C08F 222/102** (2020.02 - IL KR); **C08F 236/20** (2013.01 - IL US); **C08F 236/22** (2013.01 - IL US); **C08F 265/04** (2013.01 - IL US); **C08J 3/24** (2013.01 - GB IL); **C08K 3/013** (2018.01 - IL KR); **C08K 3/22** (2013.01 - EP IL KR); **C08K 3/26** (2013.01 - EP IL); **C08K 3/34** (2013.01 - EP IL KR); **C08K 3/36** (2013.01 - IL KR); **C08K 3/40** (2013.01 - EP IL); **C08K 5/0025** (2013.01 - EP IL US); **C08K 5/103** (2013.01 - EP IL); **C08K 5/14** (2013.01 - IL US); **C08K 5/5415** (2013.01 - IL KR); **C08L 33/12** (2013.01 - IL KR); **C01P 2006/60** (2013.01 - IL US); **C04B 2103/0059** (2013.01 - IL US); **C04B 2103/0062** (2013.01 - EP IL US); **C04B 2103/0065** (2013.01 - EP IL KR); **C04B 2111/54** (2013.01 - EP IL KR); **C08K 5/14** (2013.01 - EP); **C08K 2003/222** (2013.01 - EP IL); **C08K 2003/2227** (2013.01 - EP IL); **C08K 2003/2241** (2013.01 - EP IL); **C08K 2003/2244** (2013.01 - EP IL); **C08K 2003/265** (2013.01 - EP IL)

C-Set (source: EP)
1. **C04B 26/06 + C04B 14/043 + C04B 14/06 + C04B 14/30 + C04B 14/303 + C04B 14/305 + C04B 14/306 + C04B 14/32 + C04B 14/323 + C04B 14/324 + C04B 14/326 + C04B 14/327 + C04B 14/328 + C04B 20/0076**
2. **C04B 26/06 + C04B 14/10 + C04B 14/28 + C04B 14/303 + C04B 14/304 + C04B 14/305 + C04B 14/306 + C04B 14/32 + C04B 14/323 + C04B 14/324 + C04B 14/326 + C04B 14/327 + C04B 14/328 + C04B 20/0076**
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5. **C08K 3/22 + C08L 33/10**
6. **C08K 3/26 + C08L 33/10**
7. **C08K 3/26 + C08L 33/08**
8. **C08K 3/34 + C08L 33/08**
9. **C08K 3/34 + C08L 33/10**
10. **C08K 3/40 + C08L 33/10**
11. **C08K 3/40 + C08L 33/08**
12. **C08K 5/103 + C08L 33/08**
13. **C08K 5/103 + C08L 33/10**
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